

COMPRESSOR OIL REMOVAL IN AMMONIA REFRIGERATION SYSTEM

ABSTRACT OF THE DISCLOSURE

Automatic oil removal from an ammonia evaporator/low pressure vessel in a refrigeration system is disclosed. A liquid refrigerant level controller is utilized to drain the oil. The controller works under the principle of fluid thermal conductivity. Oil having lower thermal conductivity as compared to liquid ammonia, activates the probe which in turn opens the valve to drain the oil accumulated in a trap of an evaporator or a low pressure vessel.